

**FACT SHEET**

as required by LAC 33:IX.3111 for major LPDES facilities, for draft Louisiana Pollutant Discharge Elimination System Permit No. LA0040975; AI 4853; PER20080001 to discharge to waters of the State of Louisiana as per LAC 33:IX.2311.

The permitting authority for the Louisiana Pollutant Discharge Elimination System (LPDES) is:

Louisiana Department of Environmental Quality  
Office of Environmental Services  
P. O. Box 4313  
Baton Rouge, Louisiana 70821-4313

- I. **THE APPLICANT IS:** St. Bernard Parish Government  
Fazendville Wastewater Treatment Plant  
P.O. Box 1278  
Chalmette, Louisiana 70044-1278
- II. **PREPARED BY:** Darlene Bernard
- DATE PREPARED:** March 9, 2009
- III. **PERMIT ACTION:** reissue LPDES permit LA0040975, AI 4853; PER20080001

LPDES application received: July 23, 2008

The application was not received 180 days prior to the expiration date of the permit, as required by LAC 33:IX.2501.D.1.

EPA has retained enforcement authority.

Previous LPDES permit effective: January 1, 2003  
Previous LPDES permit expired: December 31, 2007

IV. **FACILITY INFORMATION:**

- A. The application is for the discharge of treated sanitary wastewater from a publicly owned treatment works serving the City of Arabi.
- B. The permit application does not indicate the receipt of industrial wastewater.
- C. The facility is located on Fazendville Road in Arabi, St. Bernard Parish.
- D. The treatment facility consists of an activated sludge treatment plant. Disinfection is by chlorination.
- E. Outfall 001
- Discharge Location: Latitude 29° 56' 10" North  
Longitude 89° 59' 00" West
- Description: treated sanitary wastewater
- Design Capacity: 1.0 MGD

## Fact Sheet

LA0040975; AI 4853; PER20080001

Page 2

Type of Flow Measurement which the facility is currently using:

Combination Totalizing Meter/Continuous Recorder

**V. RECEIVING WATERS:**

The discharge is into the Mississippi River in Subsegment 070301 of the Mississippi River Basin. This segment is not listed on the 303(d) list of impaired waterbodies.

The critical low flow (7Q10) of the Mississippi River is 141,955 cfs.

The hardness value is 152.7 mg/l and the fifteenth percentile value for TSS is 31.4 mg/l.

The designated uses and degree of support for Subsegment 070301 of the Mississippi River Basin are as indicated in the table below<sup>1/</sup>:

Overall Degree of Support for Segment	Degree of Support of Each Use						
Full	Primary Contact Recreation	Secondary Contact Recreation	Propagation of Fish & Wildlife	Outstanding Natural Resource Water	Drinking Water Supply	Shell fish Propagation	Agriculture
	Full	Full	Full	N/A	Full	N/A	N/A

<sup>1/</sup> The designated uses and degree of support for Subsegment 070301 of the Mississippi River Basin are as indicated in LAC 33:IX.1123.C.3, Table (3) and the 2006 Water Quality Management Plan, Water Quality Inventory Integrated Report, Appendix A, respectively.

**VI. ENDANGERED SPECIES:**

The receiving waterbody, Subsegment 070301 of the Mississippi River Basin, is listed in Section II.2 of the Implementation Strategy as requiring consultation with the U.S. Fish and Wildlife Service (FWS) as habitat for the Pallid Sturgeon, which is listed as an endangered species. Since effluent limitations are established in the permit to ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat, LDEQ has determined that the issuance of this LPDES permit is not likely to adversely affect the Pallid sturgeon or its aquatic habitats. As instructed by the FWS in a letter dated November 17, 2008, from Rieck (FWS) to Nolan (LDEQ), this fact sheet has been sent to the FWS for review and consultation.

**VII. HISTORIC SITES:**

The discharge is from an existing facility location, which does not include an expansion beyond the existing perimeter. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the 'Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits' no consultation with the Louisiana State Historic Preservation Officer is required.

Fact Sheet

LA0040975; AI 4853; PER20080001

Page 3

**VIII.**

**PUBLIC NOTICE:**

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit modification and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

Local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List

For additional information, contact:

Ms. Darlene Bernard  
Permits Division  
Department of Environmental Quality  
Office of Environmental Services  
P. O. Box 4313  
Baton Rouge, Louisiana 70821-4313

**IX.**

**PROPOSED PERMIT LIMITS:**

Subsegment 070301, Mississippi River-from Monte Sano Bayou to Head of Passes, is not listed on LDEQ's Final 2004 303(d) List as impaired, and to date no TMDL's have been established. A reopener clause will be established in the permit to allow for the requirement of more stringent effluent limitations and requirements as imposed by any future TMDLs.

The previous permit contained reporting requirements for Phosphorous and TKN. These reporting requirements were for informational gathering purposes because the receiving waterbody was listed as impaired for phosphorous and nitrogen. However, since the issuance of the previous permit, the receiving waterbody has been designated as fully supporting of its designated uses and therefore is not considered impaired. Therefore, the reporting requirement for both parameters has been removed from the permit.

## Fact Sheet

LA0040975; AI 4853; PER20080001

Page 4

**Final Effluent Limits:****OUTFALL 001 –**

Final limits shall become effective on the effective date of the permit and expire on the expiration date of the permit.

Effluent Characteristic	Monthly Avg. (lbs./day)	Monthly Avg.	Weekly Avg.	Basis
BOD <sub>5</sub>	250	30 mg/l	45 mg/l	Limits are set in accordance with the Statewide Sanitary Effluent Limitations Policy (SSELP) for facilities of this treatment type and size which discharge into the Mississippi River and previous permit conditions.
TSS	250	30 mg/l	45 mg/l	Limits are set in accordance with the Statewide Sanitary Effluent Limitations Policy (SSELP) for facilities of this treatment type and size which discharge into the Mississippi River and previous permit conditions.

**Other Effluent Limitations:****1) pH**

According to LAC 33:IX.3705.A.1., POTW's must treat to at least secondary levels. Therefore, in accordance with LAC 33:IX.5905.C, the pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time.

**2) Solids and Foam**

There shall be no discharge of floating solids or visible foam in other than trace amounts in accordance with LAC 33:IX.1113.B.7.

**3) Fecal Coliform**

The discharge from this facility is into a water body which has a designated use of Primary Contact Recreation. According to LAC 33:IX.1113.C.5.a, the fecal coliform standards for this water body are 200/100 ml and 400/100 ml. Therefore, the limits of 200/100 ml (Monthly Average) and 400/100 ml (Weekly Average) are proposed as Fecal Coliform limits in the permit. These limits are being proposed through Best Professional Judgement in order to ensure that the water body standards are not exceeded, and due to the fact that existing facilities have demonstrated an ability to comply with these limitations using present available technology.

## Fact Sheet

LA0040975; AI 4853; PER20080001

Page 5

**Toxicity Characteristics**

In accordance with EPA's Region 6 Post-Third Round Toxics Strategy, permits issued to treatment works treating domestic wastewater with a flow (design or expected) greater than or equal to 1 MGD shall require biomonitoring at some frequency for the life of the permit or where available data show reasonable potential to cause lethality, the permit shall require a whole effluent toxicity (WET) limit (*Permitting Guidance Document for Implementing Louisiana Surface Water Quality Standards*, April 16, 2008 VERSION 6).

Whole effluent biomonitoring is the most direct measure of potential toxicity which incorporates the effects of synergism of the effluent components and receiving stream water quality characteristics. Biomonitoring of the effluent is, therefore, required as a condition of this permit to assess potential toxicity. LAC 33:IX.1121.B.3. provides for the use of biomonitoring to monitor the effluent for protection of State waters. The biomonitoring procedures stipulated as a condition of this permit are as follows:

The permittee shall submit the results of any biomonitoring testings performed in accordance with the LPDES Permit No. LA0040975, **Biomonitoring Section** for the organisms indicated below.

Chronic toxicity tests are generally required of those discharges with potential toxicity using critical dilutions as determined by an applicable dilution model. However, equivalent acute toxicity testing is allowed, and is being proposed in this permit, in lieu of chronic toxicity testing for discharges that have a critical dilution of 5% or less.

**TOXICITY TESTS****FREQUENCY**

48 Hour Definitive Toxicity Test  
using Daphnia pulex

1/Year

48 Hour Definitive Toxicity Test  
using fathead minnow (Pimephales promelas)

1/Year

Dilution Series - The permit requires five (5) dilutions in addition to the control (0% effluent) to be used in the toxicity tests. These additional concentrations shall be 0.014%, 0.018%, 0.025%, 0.033%, and 0.044%. The biomonitoring critical dilution is defined as 0.033% effluent. The critical dilution is calculated in Appendix B-1 of this fact sheet. According to the Implementation of State Standards, acute toxicity testing in addition to, or in lieu of, chronic toxicity testing may be imposed for discharges that have a critical dilution of five percent (5%) or less. An acute to chronic ratio has been applied in the calculations. Results of all dilutions shall be documented in a full report according to the test method publication mentioned in the **Biomonitoring Section** under Whole Effluent Toxicity. This full report shall be submitted to the Office of Environmental Compliance as contained in the Reporting Paragraph located in the **Biomonitoring Section** of the permit.

The permit may be reopened to require effluent limits, additional testing, and/or other appropriate actions to address toxicity if biomonitoring data show actual or potential ambient toxicity to be the result of the permittee's discharge to the receiving stream or water body. Modification or revocation of the permit is subject to the provisions of LAC 33:IX.2383. Accelerated or intensified toxicity testing may be required in accordance with Section 308 of the Clean Water Act.

**Toxic Substances**

Due to drinking water supply being a designated use, the permittee shall analyze the final effluent for the presence of the following toxic substances. The MQL is intended as action levels. Should a toxic

## Fact Sheet

LA0040975; AI 4853; PER20080001

Page 6

substance exceed the MQL, the permittee shall determine the source of the substance and take whatever measures necessary to secure abatement in order to protect all drinking water sources downstream of the discharge. Records of any actions taken shall be made available upon request by any duly authorized regional inspectors and/or LDEQ Headquarter representatives.

A report containing the results of the lab analysis indicating if any toxic substances have exceeded the MQL including a brief summary of any abatement taken at the time, must be submitted to this Office within 20 days of completion of the analysis. **The first analysis shall be performed within 1 year following the effective date of the permit, and every year thereafter, by a 24-hour composite sample type.**

Reports must be submitted to the following address:

Department of Environmental Quality  
Office of Environmental Compliance  
**Enforcement Division**  
Post Office Box 4312  
Baton Rouge, Louisiana 70821-4312

In addition, enforcement authority has been retained by EPA. Therefore, the report must also be submitted to the following address until notification that enforcement authority has been assumed by LDEQ:

U.S. Environmental Protection Agency, Region 6  
Water Enforcement Branch, 6 EN-WC  
1445 Ross Avenue  
Dallas, Texas 75202

**TOXIC SUBSTANCES**

<b>TOXIC SUBSTANCES (CAS NO.)</b>	<b>Required MQL (µg/l)</b>
<b>VOLATILE ORGANIC CHEMICALS</b>	
Acrolein (107-02-8)	50
acrylonitrile (107-13-1)	50
benzene (71-43-2)	10
bromodichloromethane (dichlorobromomethane) (75-27-4)	10
bromoform (tribromomethane) (75-25-2)	10
carbon tetrachloride (56-23-5)	10
chlorobenzene (108-90-7)	10
chloroform (trichloromethane)	10
chloromethane (methyl chloride) (74-87-3)	50
1,1-dichloroethane (75-34-3)	10
1,2-dichloroethane (107-06-2)	10
1,1-dichloroethylene (75-35-4)	10
dichloromethane (methylene chloride) (75-09-2)	20
cis-1,3-dichloropropene	10
trans-1,3-dichloropropene	10

## Fact Sheet

LA0040975; AI 4853; PER20080001

Page 7

ethylbenzene (100-41-4)	10
para-dichlorobenzene	---
1,1,2,2-tetrachloroethane (79-34-5)	10
tetrachloroethylene (127-18-4)	10
toluene (108-88-3)	10
1,1,1-trichloroethane (71-55-6)	10
1,1,2-trichloroethane (79-00-5)	10
trichloroethylene (79-01-6)	10
vinyl chloride (chloroethylene) (75-01-4)	10
<b>ACID EXTRACTABLE ORGANIC CHEMICALS</b>	
2-chlorophenol (95-57-8)	10
3-chlorophenol	10
4-chlorophenol	10
2,4-dichlorophenol (120-83-2)	10
2,3-dichlorophenol	10
2,5-dichlorophenol	10
2,6-dichlorophenol	10
3,4-dichlorophenol	10
2,4-dinitrophenol (51-28-5)	50
pentachlorophenol (87-86-5)	50
phenol (108-95-2)	10
2,4,6-trichlorophenol (88-06-2)	10
<b>BASE/NEUTRAL EXTRACTABLE ORGANIC CHEMICALS</b>	
anthracene (120-12-7)	10
benzidine (92-87-5)	50
bis(2-chloroethyl)ether (111-44-4)	10
bis(2-chloro-1-methylethyl)ether (39638-32-9)	10
bis(2-ethylhexyl)phthalate (117-81-7)	10
di-n-butyl phthalate (84-74-3)	10
1,3-dichlorobenzene (541-73-1)	10
1,2-dichlorobenzene (95-50-1)	10
1,4-dichlorobenzene (106-46-7)	10
3,3-dichlorobenzidine (91-94-1)	50
diethyl phthalate (84-66-2)	10
dimethyl phthalate (131-11-3)	10
2,4-dinitrotoluene (121-14-2)	10
1,2-diphenylhydrazine (122-66-7)	20
fluoranthene (206-44-0)	10
hexachlorobenzene (118-07-1)	10
hexachlorobutadiene (87-68-3)	10

## Fact Sheet

LA0040975; AI 4853; PER20080001

Page 8

hexachlorocyclopentadiene (77-47-4)	10
hexachloroethane (67-72-1)	20
isophorone (78-59-1)	10
nitrobenzene (98-95-3)	10
N-nitrosodimethylamine (62-75-9)	50
N-nitrosodiphenylamine (86-30-6)	20
<b>PESTICIDES &amp; PCBs</b>	
aldrin (309-00-2)	0.05
PCB's (Total)	1.0
gamma-BHC (Lindane, Hexachlorocyclohexane) (58-89-9)	0.05
chlordan (57-74-9)	0.2
4,4"DDD (TDE) (72-54-8)	0.1
4,4"DDE (72-55-9)	0.1
4,4"DDT (50-29-3)	0.1
Dieldrin (60-57-1)	0.1
endosulfan I (alpha) (115-29-7)	0.1
endosulfan II (beta) (115-29-7)	0.1
endrin (72-20-8)	0.1
heptachlor (76-44-8)	0.05
Methoxychlor	---
2,3,7,8-tetrachlorodibenzo-p-dioxin (1764-01-6)	---
toxaphene (8001-35-2)	5.0
2,4-dichlorophenoxyacetic acid (2,4-D) (94-75-7)	10
2-(2,4,5-trichlorophenoxy)propionic acid	4
<b>METALS</b>	
antimony (7440-36-0)	60
arsenic (7440-38-2)	10
Barium	---
beryllium (7440-41-7)	5
cadmium (7440-43-9)	1
chromium III (16065-83-1)	10
chromium VI (7440-47-3)	10
copper (7550-50-8)	10
lead (7439-92-1)	5
Flouride	---
mercury (7439-97-6)	0.2
nickel (7440-02-0)	40

## Fact Sheet

LA0040975; A1 4853; PER20080001

Page 9

nitrate (as N)	---
selenium (7782-49-2)	5
silver (7440-22-4)	2
thallium (7440-28-0)	10
zinc (7440-66-6)	20
<b>MISCELLANEOUS</b>	
Cyanide	20
total phenols	5

## X.

**PREVIOUS PERMITS:**

LPDES Permit No. LA0043940: Effective: January 1, 2003  
Expired: December 31, 2007

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>			<u>Monitoring Requirements</u>	
	<u>Monthly Avg.</u>	<u>Monthly Avg.</u>	<u>Weekly Avg.</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
Flow	---	Report	Report	Continuous	Recorder
BOD <sub>5</sub>	250 lbs/day	30 mg/l	45 mg/l	2/week	6 Hr Composite
TSS	250 lbs/day	30 mg/l	45 mg/l	2/week	6 Hr Composite
pH	Range (6.0 su – 9.0 su)			2/week	Grab
Fecal Coliform					
Colonies/100ml	---	200	400	2/week	Grab
Phosphorous	Report	Report	Report	1/quarter	Grab
Kjeldahl Nitrogen (Total as N)	Report	Report	Report	1/quarter	Grab
Toxic Substances	---	---	---	1/year	24 Hr Composite
Biomonitoring					
<i>Pimephales promelas</i>	---	Report	Report	1/year	24 Hr Comp
<i>Daphnia pulex</i>	---	Report	Report	1/year	24 Hr Comp

The permit contains biomonitoring.

The permit contains pollution prevention language.

The permit contains pretreatment option 1 language.

**ENFORCEMENT AND SURVEILLANCE ACTIONS:****A) Inspections**

A review of the files indicates the following most recent inspections performed for this facility.

Date – October 21, 2006

Inspector - LDEQ

Findings and/or Violations –

Hurricane Katrina Assessment – The facility received four feet of water. Flooding did not cause the units to overflow.

Date – June 28, 2007

Inspector – LDEQ

Findings and/or Violations –

## Fact Sheet

LA0040975; AI 4853; PER20080001

Page 10

Inspection was conducted to document current status of the plant and the timeline for achieving compliance. The facility still has some equipment that was inoperable or missing. Parish officials explained that due to uncertainty as to what FEMA will eventually pay for, they are unable to provide a timeline at this time. There were no Areas of Concern at the time of the inspection.

Date – March 28, 2008

Inspector – LDEQ

Findings and/or Violations –

Compliance Inspection was conducted and the following was noted:

Some of the equipment that was inoperable or missing during the previous inspection has been installed.

There is still some equipment that is inoperable or missing.

The facility's drying beds are no longer used. Sludge is sent to St. Bernard's Munster plant where it is dewatered using a belt press.

The facility did not perform toxicity substances testing, whole effluent toxicity testing, or prepare and submit their MWPP Audit in 2007.

The plant is unmanned on the weekends, and because the alarm/autodialer is inoperable, the facility has no way of knowing if an overflow is taking place at the plant until operators show up for work on Monday Mornings.

The facility did not submit a permit renewal application prior to the expiration date of their permit.

The plant treatment facilities have not been restored to pre-Katrina conditions as of the date of this inspection.

Date – September 9, 2008

Inspector – LDEQ

Findings and/or Violations –

Inspection performed for Hurricane Gustav Assessment.

There was no Hurricane damage to the plant.

The facility lost power on September 1, 2008 and power was back on September 5, 2008.

The plant had no back-up power. Plant did not go septic.

No bypassing occurred.

Aerators working, but no flow thru plants.

Effluent discharge chamber has green tint and turbid.

**B) Compliance and/or Administrative Orders**

A review of the files indicates that enforcement actions have been administered against this facility as follows:

September 10, 2008 –

Administrative Order Docket No. CWA-06-2008-2056 – AO was issued for failure to submit annual sludge discharge monitoring reports for calendar years 2006 and 2007.

## Fact Sheet

LA0040975; AI 4853; PER20080001

Page 11

## C) DMR Review

A review of EDMS revealed the following excursions for the period January, 2007 to December, 2008:

Date	Parameter	Monthly Average (mg/l)	Weekly Average (mg.l)	Monthly Average (lbs/day)
01-07	BOD <sub>5</sub>			460
	TSS	32	53	692
02-07	BOD <sub>5</sub>			339
	TSS			387
	Fecal Coliform	3,422 col/100 ml	13,229 col/100 ml	
03-07	BOD <sub>5</sub>			540
	TSS			650
	Fecal Coliform	2,623 col/100 ml	89,465 col/100 ml	
04-07	BOD <sub>5</sub>	37	60	785
	TSS	127	194	2,733
	Fecal Coliform	2,773 col/100 ml	43,267 col/100 ml	
05-07	BOD <sub>5</sub>			383
	TSS	34	57	737
	Fecal Coliform	3,272 col/100 ml	100,000 col/100ml	
06-07	BOD <sub>5</sub>		61	478
	TSS			473
07-07	BOD <sub>5</sub>			650
	TSS	45	62	953
	Fecal Coliform	1,586 col/100 ml	48,166 col/100 ml	
08-07	BOD <sub>5</sub>			607
	TSS	76	85	1,637
	Fecal Coliform	1,797 col/100 ml	138,564 col/100 ml	
09-07	BOD <sub>5</sub>			425
	pH	5.0 min		
	TSS	47	76	1,016
	Fecal Coliform	1,326 col/100 ml	13,623 col/100 ml	
10-07	pH	5.0 min	5.7 max	
	TSS		55	501
Date	Parameter	Monthly Average (mg/l)	Weekly Average (mg.l)	Monthly Average (lbs/day)
11-07	BOD <sub>5</sub>			497
	TSS			586
12-07	BOD <sub>5</sub>			447
	TSS			427
02-08	BOD <sub>5</sub>			284
	TSS			427
03-08	Fecal Coliform		5,639 col/100 ml	
05-08	pH	5.43 min		
08-08	Fecal Coliform		775 col/100 ml	
12-08	BOD <sub>5</sub>	42	125	
	TSS	33	127	
	Fecal Coliform		60,000 col/100 ml	

## Fact Sheet

LA0040975; AI 4853; PER20080001

Page 12

**XII. ADDITIONAL INFORMATION:**

LDEQ reserves the right to impose more stringent discharge limitations and/or additional restrictions in the future. Additional limitations and/or restrictions are based upon water quality studies and can indicate the need for advanced wastewater treatment. Water quality studies of similar dischargers and receiving water bodies have resulted in monthly average effluent limitations of 5mg/L CBOD<sub>5</sub> and 2 mg/L NH<sub>3</sub>-N. Prior to upgrading or expanding this facility, the permittee should contact LDEQ to determine the status of the work being done to establish future effluent limitations and additional permit conditions.

The nearest drinking water intakes, Pointe-a-la-Hache Waterworks is located approximately 28 river miles downstream from the discharge point.

Final effluent loadings (i.e. lbs/day) have been established based upon the permit limit concentrations and the design capacity of 1.0 MGD.

Effluent loadings are calculated using the following example:

BOD<sub>5</sub>: 8.34 gal/lb x 1.0 MGD x 30 mg/l = 250 lbs/day

The Monitoring Requirements, Sample Types, and Frequency of Sampling for the facility are described below:

**Outfall 001 – treated sanitary wastewater****Effluent Characteristics****Monitoring Requirements**

		<u>Measurement</u>	<u>Sample</u>
		<u>Frequency</u>	<u>Type</u>
Flow		Continuous	Recorder
BOD <sub>5</sub>		2/week	6 Hr. Composite
Total Suspended Solids		2/week	6 Hr. Composite
Fecal Coliform Bacteria		2/week	Grab
pH		2/week	Grab
Biomonitoring	<u>Daphnia pulex</u>	1/year	24 Hr. Composite
	<u>Pimephales promelas</u>	1/year	24 Hr. Composite
Toxic Substances		1/year	24 Hr. Composite

**Pretreatment Requirements**

Based upon consultation with LDEQ pretreatment personnel, LDEQ Option 1 Pretreatment Language is required for this facility.

**Pollution Prevention Requirements**

The permittee shall institute or continue programs directed towards pollution prevention. The permittee shall institute or continue programs to improve the operating efficiency and extend the useful life of the facility. The permittee will complete an annual Environmental Audit Report each year for the life of this permit according to the schedule below. The permittee will accomplish this requirement by completing an Environmental Audit Form which has been attached to the permit. All other requirements of the Municipal Wastewater Pollution Prevention Program are contained in Part II of the permit.

## Fact Sheet

LA0040975; AI 4853; PER20080001

Page 13

The audit evaluation period is as follows:

Audit Period Begins	Audit Period Ends	Audit Report Completion Date
Effective Date of Permit	12 Months from Audit Period Beginning Date	3 Months from Audit Period Ending Date

### Stormwater Discharges

Because the design flow of the Fazendville Wastewater Treatment Plant is equal to or greater than 1.0 MGD and in accordance with LAC 33:IX.2511.B.14.i, the facility may contain storm water discharges associated with industrial activity. Therefore, in accordance with LAC 33:IX.2511.A.1.b, specific requirements addressing stormwater discharges will be included in the discharge permit.

## XIII

### TENTATIVE DETERMINATION:

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to reissue a permit for the discharge described in this Statement of Basis.

## XIV

### REFERENCES:

Louisiana Water Quality Management Plan / Continuing Planning Process, Vol. 8, "Wasteload Allocations / Total Maximum Daily Loads and Effluent Limitations Policy," Louisiana Department of Environmental Quality, 2005.

Louisiana Water Quality Management Plan / Continuing Planning Process, Vol. 5, "Water Quality Inventory Section 305(b) Report," Louisiana Department of Environmental Quality, 1998.

Louisiana Administrative Code, Title 33 - Environmental Quality, Part IX - Water Quality Regulations, Chapter 11 - "Louisiana Surface Water Quality Standards," Louisiana Department of Environmental Quality, 2004.

Louisiana Administrative Code, Title 33 - Environmental Quality, Part IX - Water Quality Regulations, Subpart 2 - "The LPDES Program," Louisiana Department of Environmental Quality, 2004.

Low-Flow Characteristics of Louisiana Streams, Water Resources Technical Report No. 22, United States Department of the Interior, Geological Survey, 1980.

Index to Surface Water Data in Louisiana, Water Resources Basic Records Report No. 17, United States Department of the Interior, Geological Survey, 1989.

LPDES Permit Application to Discharge Wastewater, St. Bernard Parish Government/Fazendville Wastewater Treatment Plant, July 23, 2008.

- |  |                                     |
|--|-------------------------------------|
| 17. River Basin: Mississippi River     | 18. Basin Segment No. <u>070301</u> |
|  | Federal Tax I. D. No.: 72-6001193   |
| TOTAL RATING POINTS ASSIGNED <u>37</u> | Initials of Rater: dqb              |

Invoice No. \_\_\_\_\_

**ANNUAL FEE RATING WORKSHEET - MUNICIPAL**  
**PERMIT NO: LA0040975; AI 4853; PER20080001**

Page 2

## 1. FACILITY COMPLEXITY DESIGNATION

Primary SIC 4952

Complexity Designation = X I (0 points)  
       II (10 points)  
       III (20 points)  
       IV (30 points)  
       V (40 points)  
       VI (50 points)

COMPLEXITY DESIGNATION POINTS 0

## 2. FLOW VOLUME AND TYPE

A. Wastewater Type I

Is total Daily Average Discharge greater than 60 mgd?

       Yes, then points = 200       No, then

Points = 0.5 X Total Daily Average Discharge (mgd)

Points = 0.5 X        =

Total points =

B. Wastewater Type II

Is total Daily Average Discharge greater than 5 mgd?

       Yes, then points = 50       No, then

Points = 10 X Total Daily Average Discharge (mgd)

Points = 10 X        =

Total points =

C. Wastewater Type III

Is total Daily Average Discharge greater than 25 mgd?

       Yes, then points = 50X No, then

Points = 2 X Total Daily Average Discharge (mgd)

Points = 2 X 1.0 =Total points = 2FLOW VOLUME AND TYPE POINTS 2

## 3. POLLUTANTS

A. BOD<sub>5</sub>

Daily Average Load =

 $8.34 \text{ lb/gal} \times 1.0 \text{ MGD} \times$   
 $30 \text{ mg/l} = 250 \text{ lb/day}$ 

        $\leq 50 \text{ lb/day}$  (0 points)  
X  $> 50 - 500$  (5 points)  
        $> 500 - 1000$  (10 points)  
        $> 1000 - 3000$  (20 points)  
        $> 3000 - 5000$  (30 points)  
        $> 5000 \text{ lb/day}$  (40 points)

COD or

Daily Average Load =

        $\leq 100 \text{ lb/day}$  (0 points)  
        $> 100 - 500$  (5 points)  
        $> 500 - 1000$  (10 points)  
        $> 1000 - 5000$  (20 points)  
        $> 5000 - 10000$  (30 points)  
        $> 10000 \text{ lb/day}$  (40 points)

 BOD OR COD DEMAND POINTS 5  
 (whichever is greater)